

Converting Colors

$Y_{xy}(62.5087, 0.2802, 0.5061)$

Have a look what the booklet for
Yxy(62.5087, 0.2802, 0.5061)
contains.

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Color

Yxy(62.4346, 0.2802, 0.5056)

Conversions

Conversions Part 1

Format	Color
Hex	30ED73
RGB	48, 237, 115
RGB Percent	19%, 93%, 45%
CMY	0.8115, 0.0706, 0.5490
CMYK	0.80, 0.00, 0.51, 0.07
HSL	141°, 84%, 56%
HSV	141°, 80%, 93%
XYZ	34.6008, 62.4346, 26.4507
YIQ	166.5810, -73.4820, -78.0100

Conversions

Conversions Part 2

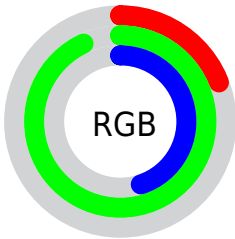
Format	Color
RYB	48, 188, 237
Decimal	3206515
CIELab	83.14, -70.33, 46.15
CIElCh	83, 84.117, 146.730
Yxy	62.4346, 0.2802, 0.5056
Android (android.graphics.Color)	4281396595 (0xFF30ED73)
YUV	166.5810, -25.4294, -103.9955
Hunter-Lab	79.0156, -60.1123, 35.4634

Details

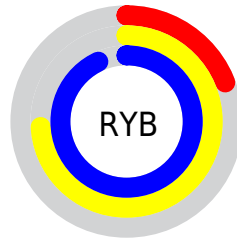
The Yxy color **62.4346, 0.2802, 0.5056** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.0296, 0.4061, 0.2162**, and the grayscale version is **38.5945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7445, 0.2852, 0.4371**, and **33.0014, 0.2851, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **61.6821, 0.2822, 0.5281**, and if you desaturate by 10%, it is **63.5582, 0.2800, 0.4811**.

Distribution



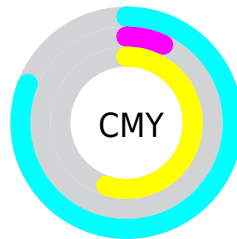
- Red (19%)
- Green (93%)
- Blue (45%)



- Red (19%)
- Yellow (74%)
- Blue (93%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)





- Cyan (81%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4346, 0.2802, 0.5056 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 62.4346, 0.2802, 0.5056 by changing the saturation by 10% instead.


 62.4346, 0.2802,
0.5056


 62.4346, 0.2802,
0.5056


433.5146, 0.3004,
0.4142


 45.3840, 0.2740,
0.5287


 108.3534, 0.2884,
0.4720


 31.7600, 0.2655,
0.5583


 137.9904, 0.2912,
0.4595

 21.1782, 0.2531,
0.5972


 172.5915, 0.2935,
0.4490

 13.2543, 0.2344,
0.6495

 212.5413, 0.2954,
0.4400

 7.6039, 0.2046,
0.7223

 258.2241, 0.2969,
0.4322

 3.8426, 0.1575,
0.8425

310.0244, 0.2983,

 1.5859, 0.0000,

0.4254

1.0000

368.3264, 0.2994,
0.4195

■ 0.3481, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.4346, 0.2802,
0.5056

■ 62.4346, 0.2802,
0.5056

■ 61.6821, 0.2822,
0.5281

■ 63.5582, 0.2800,
0.4811


■ 61.2196, 0.2856,
0.5479


■ 65.0908, 0.2816,
0.4559


■ 61.2084, 0.2857,
0.5484


■ 67.0738, 0.2848,
0.4308


■ 69.5411, 0.2892,
0.4067

 72.5233, 0.2945,
0.3842

 76.0486, 0.3004,
0.3636

 80.1428, 0.3066,
0.3450

 84.8303, 0.3129,
0.3286

 88.9041, 0.3149,
0.3138

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.4346, 0.3765, 0.5232



62.4346, 0.2802, 0.5056



62.4346, 0.1978, 0.4012

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.4346, 0.2802, 0.5056



62.4346, 0.1662, 0.1808



62.4346, 0.5051, 0.3269

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.4346, 0.2802, 0.5056



23.0296, 0.4061, 0.2162

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.4346, 0.4272, 0.2624



62.4346, 0.2802, 0.5056



62.4346, 0.2240, 0.1827

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.4346, 0.2802, 0.5056



62.4346, 0.1424, 0.2111



62.4346, 0.3173, 0.2114



62.4346, 0.5141, 0.3976

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.4346, 0.2802, 0.5056



62.4346, 0.1624, 0.3197



62.4346, 0.3173, 0.2114



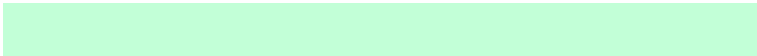
62.4346, 0.4859, 0.3045

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.4371, 0.2802, 0.5056



87.8941, 0.2977, 0.3723



69.4270, 0.3641, 0.5311



18.5002, 0.2957, 0.3798



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4371, 0.2802, 0.5056



72.4477, 0.2844, 0.5416



65.7857, 0.2397, 0.3669



16.9503, 0.3067, 0.3446



33.4399, 0.2848, 0.5454



2.6436, 0.2770, 0.5174

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.0296, 0.4061, 0.2162



24.3185, 0.4322, 0.2170



20.6525, 0.5577, 0.3088



15.2179, 0.3192, 0.3139



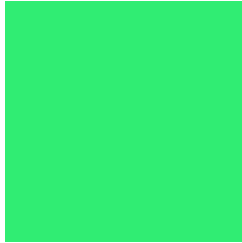
11.1119, 0.4354, 0.2172



0.8907, 0.4154, 0.2062

Previews

White Background



This preview shows how the Yxy color 62.4346, 0.2802, 0.5056 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 62.4346, 0.2802, 0.5056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

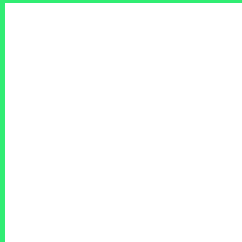
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.4346, 0.2802, 0.5056

Background



This preview shows how black text looks on a background with the Yxy color 62.4346, 0.2802, 0.5056.

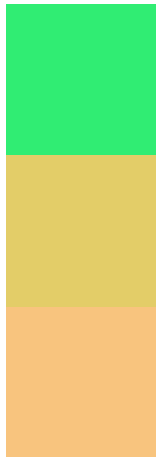


This preview shows how white text looks on a background with the Yxy color 62.4346, 0.2802, 0.5056.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

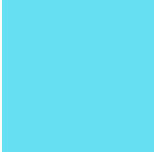
62.4346, 0.2802, 0.5056

Protanopia

60.9930, 0.4032, 0.4391

Deuteranopia

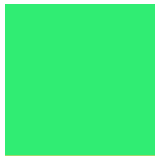
60.9427, 0.4110, 0.4026



Tritanopia

61.8929, 0.2356, 0.3061

Trichromacy



Original Color

62.4346, 0.2802, 0.5056



Protanomaly

58.3898, 0.3420, 0.4708



Deuteranomaly

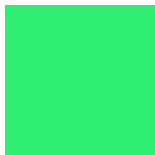
57.1076, 0.3457, 0.4438



Tritanomaly

61.2208, 0.2511, 0.3743

Monochromacy



Original Color

62.4346, 0.2802, 0.5056



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.1225, 0.2917, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.4346, 0.2802, 0.5056 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 237, 115)` looks like.

```
.text, #text, p{  
    color:rgb(48, 237, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 237, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 237, 115) }
```

Border

The CSS property to change the border of an element to Yxy 62.4346, 0.2802, 0.5056 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 237, 115) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(48, 237, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(48, 237, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 237, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 237, 115);  
box-shadow:4px 4px 4px 4px rgb(48, 237,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 62.4346, 0.2802, 0.5056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 237, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 237,  
115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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